India’s efforts towards UN-CSSTEAP activities

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Preamble:

- CSSTE-AP is committed to dissemination of technical knowledge for capacity building
- CSSTEAP believes in motto - Sustainable Development through sharing of knowledge.
- CSSTEAP conducts post-graduate GNSS and SATCOM courses at SAC, ISRO in addition to other courses
- Courses have very important role to play in this post-Covid period, so that the technical knowledge sharing activity in the region does not lose momentum.
- CSSTEAP is therefore conducting full-length courses in GNSS
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Full Length course on GNSS is being conducted

• Scheduled from 15\textsuperscript{th} September 2022, till 15\textsuperscript{th} June, 2023

• Although initial response was little sluggish, finally queries and response obtained from 11 different countries

• UN-OOSA had been very helpful in disseminating the information of this course

• 11 participants selected from different countries and professional backgrounds

• With this the total numbers of participants in last 4 GNSS courses have become 46
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04\textsuperscript{th} GNSS and 13\textsuperscript{th} SATCOM Course running in parallel

• Common foundation module. Common concepts are taught in combined classes for better exchange of ideas and perspectives.

Modules include Fundamentals, Technologies and Applications

• Includes educational tours to many Indian establishments and organizations related to GNSS including NPL, Ground stations, Control Centres, launching centres etc.
What’s New?

• Access to video recordings of the classes are being provided to students for recapitulation and better understanding of the class

• English Transcripts of class videos will be provided on request

• Seminar scope have been enhanced:
  - *Seminars on Innovative ideas are being more encouraged, particularly those relevant to respective participants’ countries*

• MATLAB based programs for understanding important concepts will be distributed to the students which they can run later and can tweak any parameter to see effects
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Learning from Covid Pandemic Situations

Physical hard copies of reading materials replaced by soft versions
• *Less contact, reduced carbon footprint*

Travel hassles reduced by conducting some theoretical classes in online mode
• *Lecturers unwilling to travel / busy, can still take classes*

M.Tech Defence viva continued to be conducted online
• *M.Tech students completing project could give defence viva online in presence of subject expert*
• *Students didn’t have to wait for congenial situations for experts visit*
• *3 CSSTEAP GNSS students have benefitted out of this over the last 1 year*
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Photo Gallery

[Various photos showing people in meetings and workshops]
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Other related CSSTEAP courses

• CSSTEAP also conduct other full length courses in SATCOM, at Space Applications Centre

• In this course, fundamental ideas of Satellite Navigation is taught and many related applications which required GNSS conjunction is described and demonstrated

• 12 courses have been completed and more than 200 participants from 16 different Asia-Pacific countries have benefitted out of it

Short Courses in GNSS

• At CSSTEAP, we also regularly conduct short courses on GNSS in online/offline mode.

• Next short course is planned in 2023. Will be announced through the CSSTEAP website www.cssteap.org
Thank You